

# WHAT IS CLAIMED IS:

1. A colored resist material set comprising at least colored resist materials having three colors respectively and consisting of a red resist material, a green resist material and a blue resist material, each resist material containing a reactive monomer, a photoinitiator and a dye and/or a pigment, wherein;

the photoinitiator contained in said red resist material has a photoabsorption region on the side of wavelengths shorter than 570 nm;

the photoinitiator contained in said green resist material has a photoabsorption region on the side of wavelengths shorter than 460 nm; and

the photoinitiator contained in said blue resist material has a photoabsorption region on the side of wavelengths shorter than 400 nm;

each photoinitiator using at least two or more photoinitiators.

2. A colored resist material set according to Claim 1, wherein the photoinitiators contained in said red resist material and said green resist material respectively are the same photoinitiator having a photoabsorption region on the side of wavelengths shorter than 460 nm.

3. A colored resist material set according to Claim 2, wherein the photoinitiators contained in the red resist material and the green resist material respectively are 2-benzyl-2-dimethylamino-1-(4-morpholinophenyl)-butanone-1; and

the photoinitiator contained in said blue resist material is

2-methyl-1[4-(methylthio)phenyl]-2-morpholinopropan-1-one.

4. A color filter comprising forming a colored resist by using the colored resist material set as described in Claim 1.

5. A color filter comprising forming a colored resist by using the colored resist material set as described in Claim 2.

6. A color filter comprising forming a colored resist by using the colored resist material set as described in Claim 3.